

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
 Data File : VN085853.D
 Acq On : 25 Feb 2025 13:36
 Operator : JC\MD
 Sample : Q1415-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02222025

Quant Time: Feb 25 23:33:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

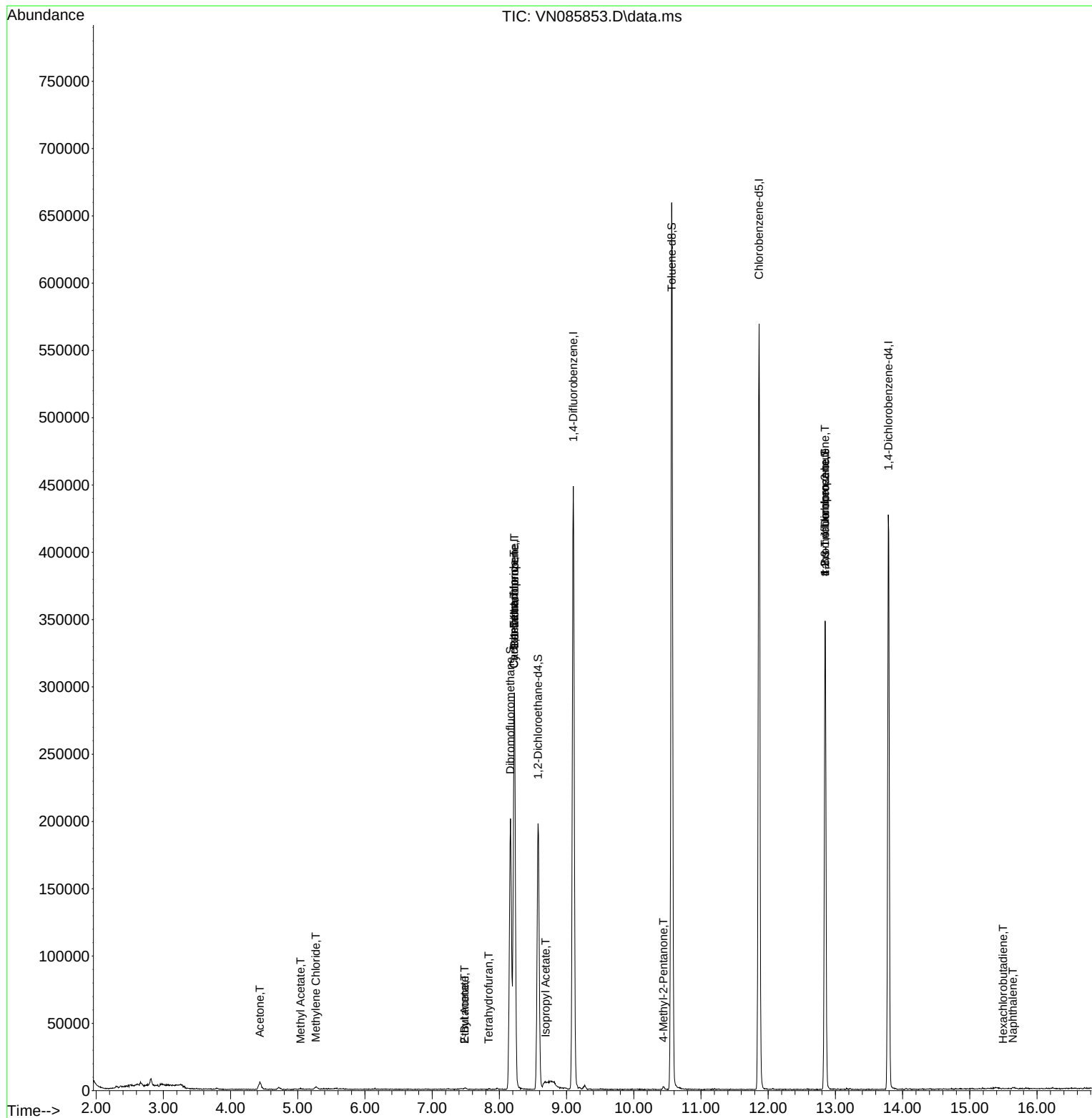
Internal Standards						
1) Pentafluorobenzene	8.224	168	210441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	393207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162083	59.408	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.820%
35) Dibromofluoromethane	8.165	113	142826	55.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.020%
50) Toluene-d8	10.565	98	459744	49.112	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.220%
62) 4-Bromofluorobenzene	12.847	95	124996	40.526	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	81.060%
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	10019	11.606	ug/l	91
18) Methyl Acetate	5.042	43	804	0.271	ug/l #	47
20) Methylene Chloride	5.271	84	1484	0.535	ug/l	89
25) 2-Butanone	7.483	43	2046	1.611	ug/l #	45
29) Tetrahydrofuran	7.841	42	438	0.534	ug/l #	29
31) Cyclohexane	8.218	56	4618	1.185	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	17380	4.773	ug/l #	50
37) Ethyl Acetate	7.483	43	2046	0.683	ug/l #	66
38) Carbon Tetrachloride	8.218	117	22351	5.166	ug/l #	18
43) Isopropyl Acetate	8.688	43	4425	0.298	ug/l #	53
51) 4-Methyl-2-Pentanone	10.441	43	1768	0.612	ug/l #	76
76) 1,2,3-Trichloropropane	12.847	75	61798	22.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61798	66.839	ug/l #	12
94) Hexachlorobutadiene	15.494	225	292	0.249	ug/l #	31
95) Naphthalene	15.641	128	1515	0.286	ug/l #	76

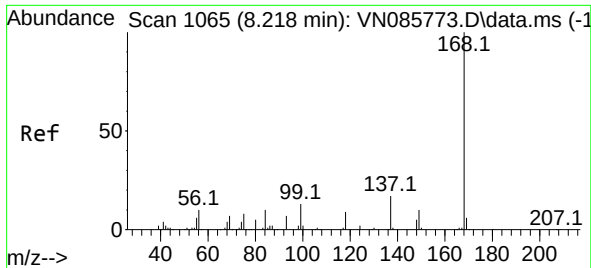
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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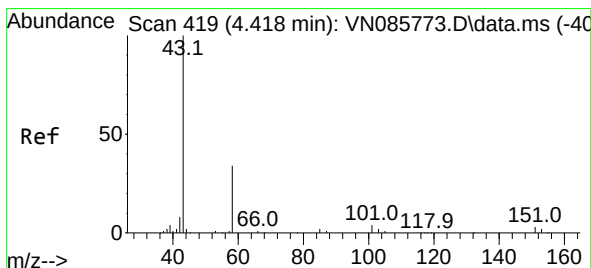
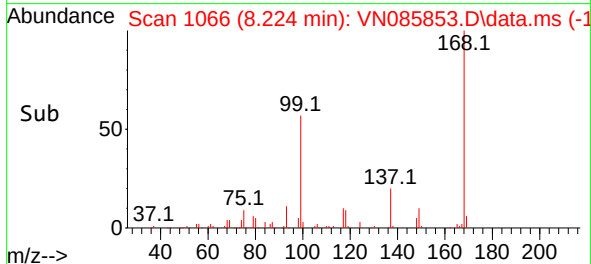
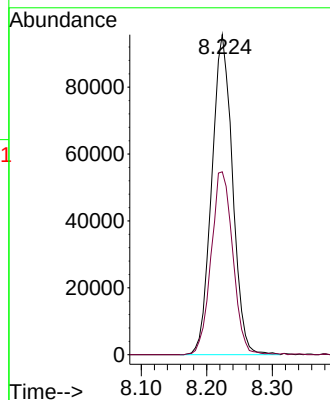
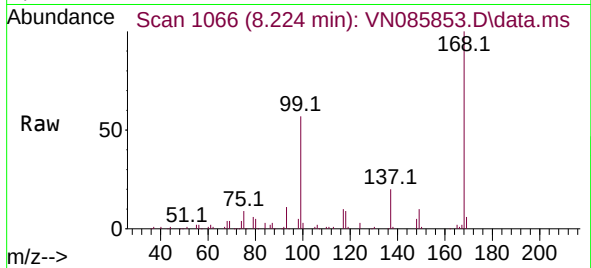




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

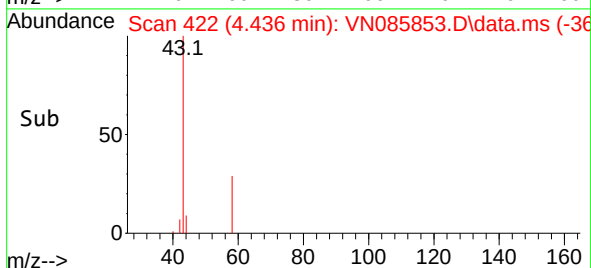
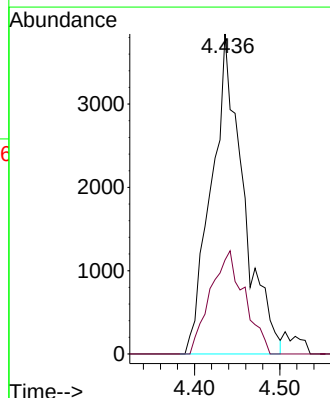
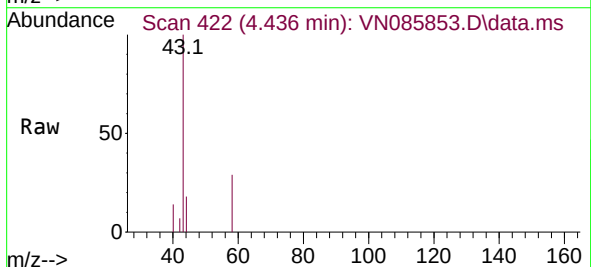
Instrument :
MSVOA_N
ClientSampleId :
FB02222025

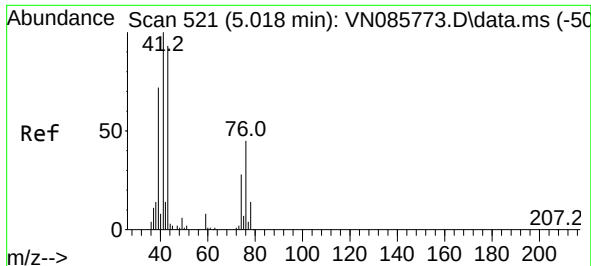
Tgt Ion:168 Resp: 210441
Ion Ratio Lower Upper
168 100
99 57.1 47.9 71.9



#16
Acetone
Concen: 11.606 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

Tgt Ion: 43 Resp: 10019
Ion Ratio Lower Upper
43 100
58 29.4 27.5 41.3

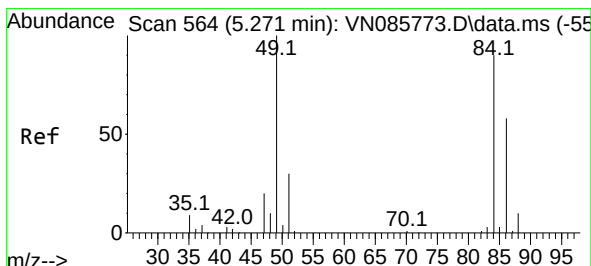
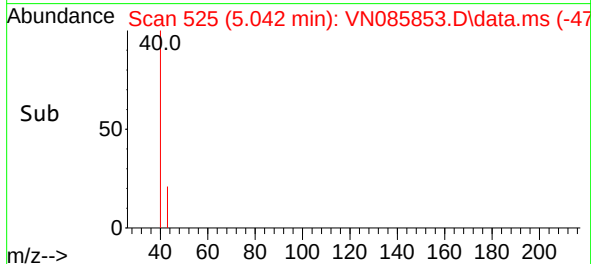
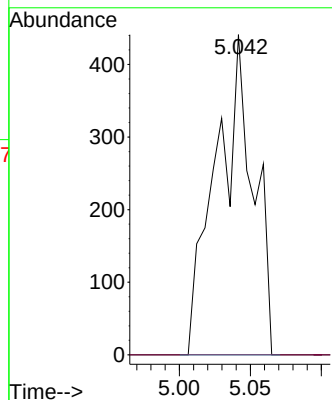
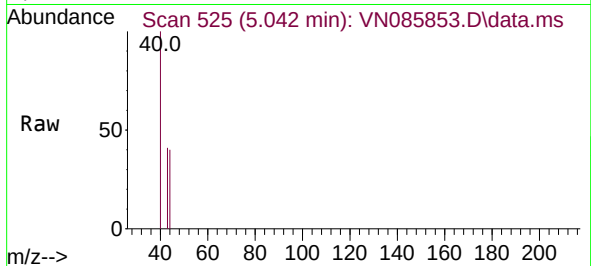




#18
Methyl Acetate
Concen: 0.271 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

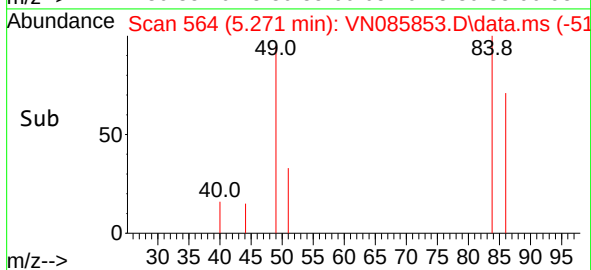
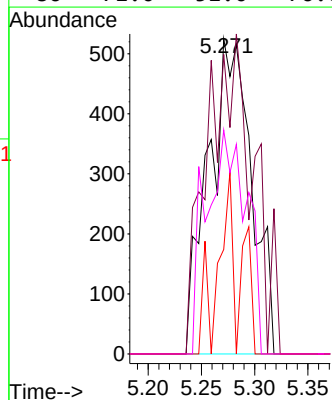
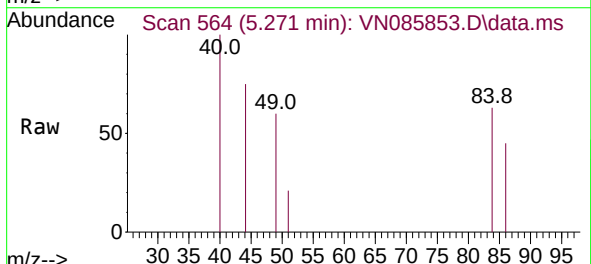
Instrument :
MSVOA_N
ClientSampleId :
FB02222025

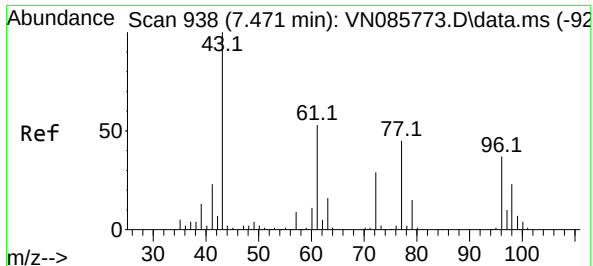
Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#20
Methylene Chloride
Concen: 0.535 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

Tgt Ion: 84 Resp: 1484
Ion Ratio Lower Upper
84 100
49 95.0 88.4 132.6
51 33.1 26.6 40.0
86 71.0 51.0 76.6

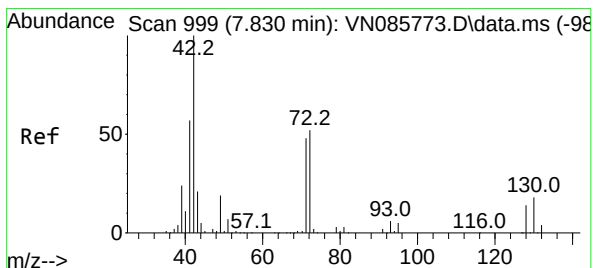
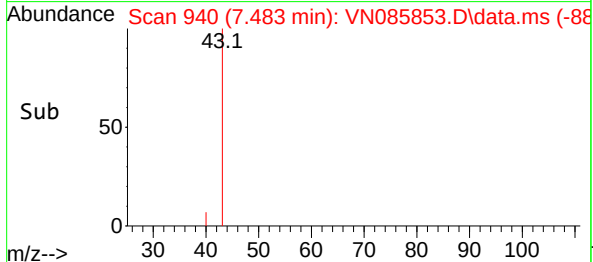
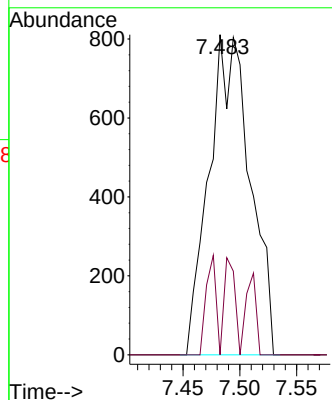
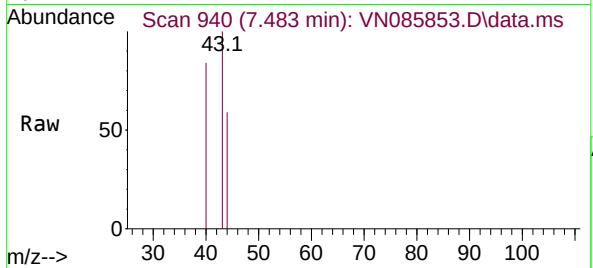




#25
2-Butanone
Concen: 1.611 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

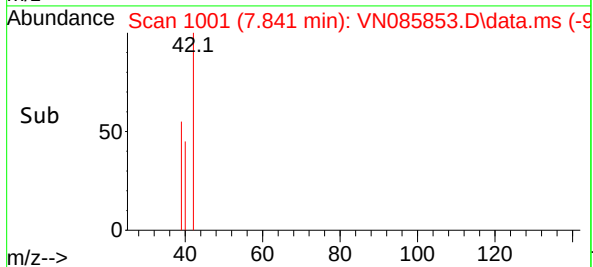
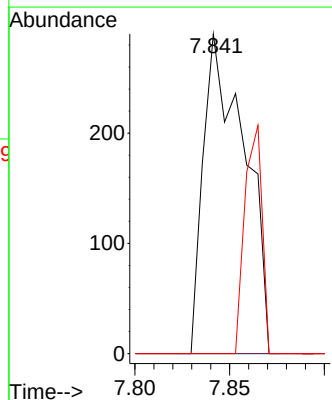
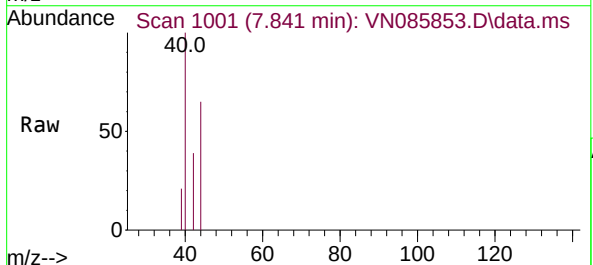
Instrument :
MSVOA_N
ClientSampleId :
FB02222025

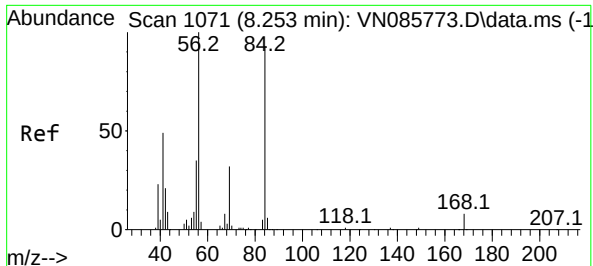
Tgt Ion: 43 Resp: 2046
Ion Ratio Lower Upper
43 100
72 0.0 23.6 35.4#



#29
Tetrahydrofuran
Concen: 0.534 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.012 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

Tgt Ion: 42 Resp: 438
Ion Ratio Lower Upper
42 100
72 0.0 40.0 60.0#
71 0.0 37.0 55.4#

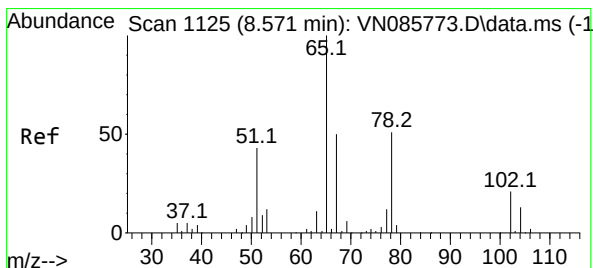
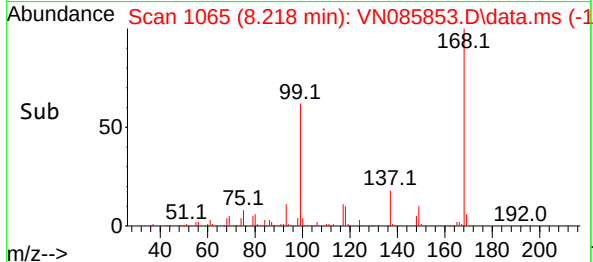
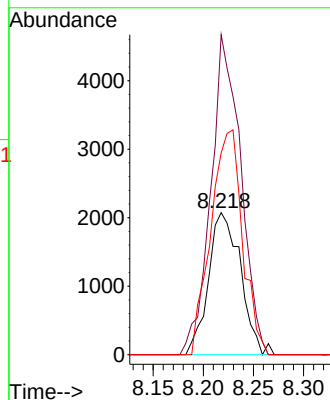
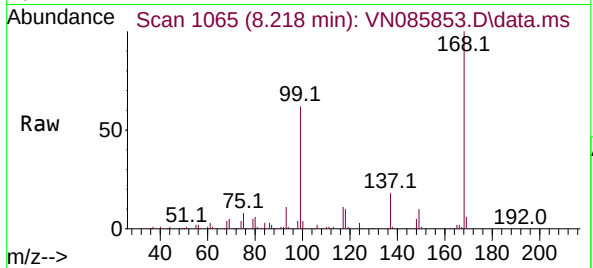




#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

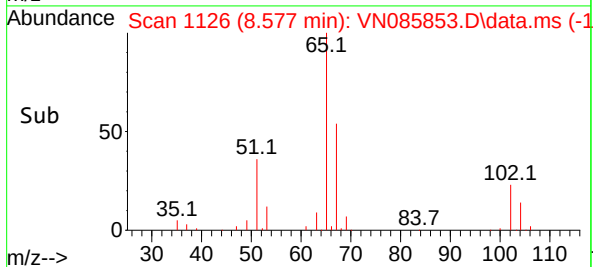
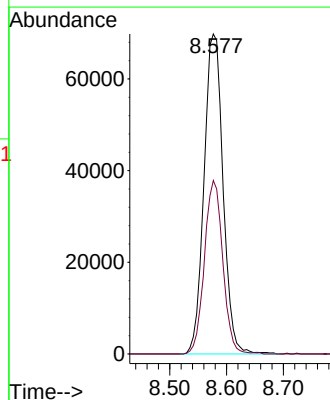
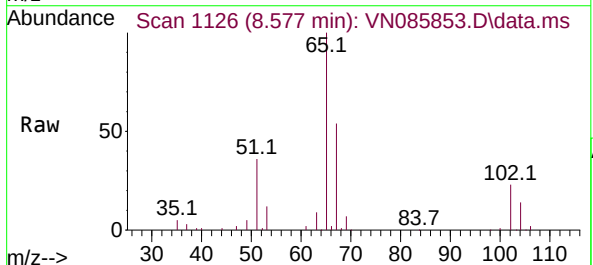
Instrument :
MSVOA_N
ClientSampleId :
FB02222025

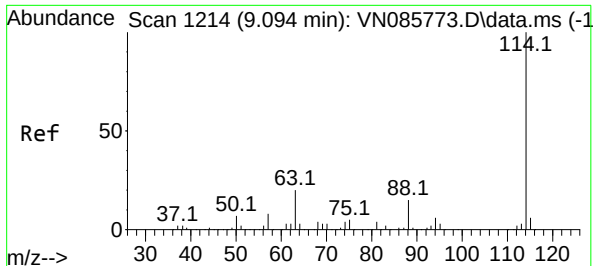
Tgt Ion: 56 Resp: 4618
Ion Ratio Lower Upper
56 100
69 225.2 25.8 38.6#
84 141.9 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 59.408 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

Tgt Ion: 65 Resp: 162083
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085853.D

Acq: 25 Feb 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

FB02222025

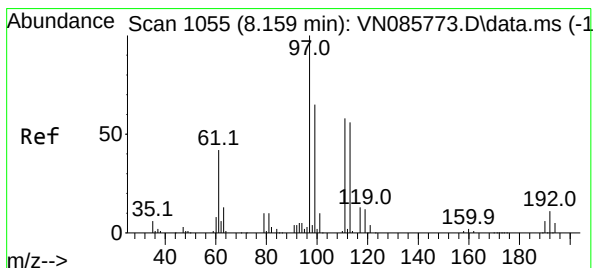
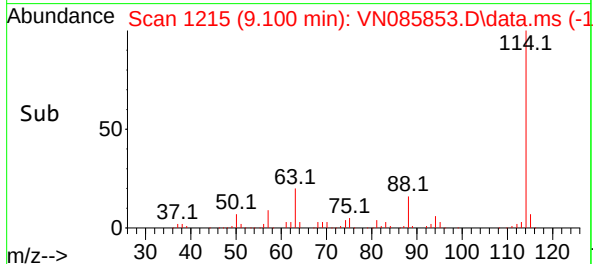
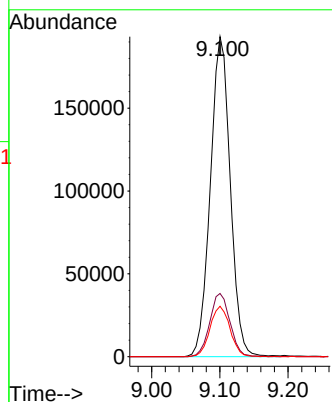
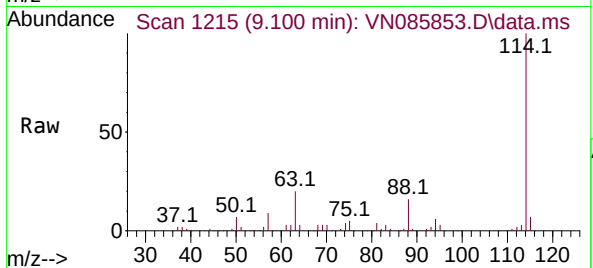
Tgt Ion:114 Resp: 393207

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 15.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.510 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085853.D

Acq: 25 Feb 2025 13:36

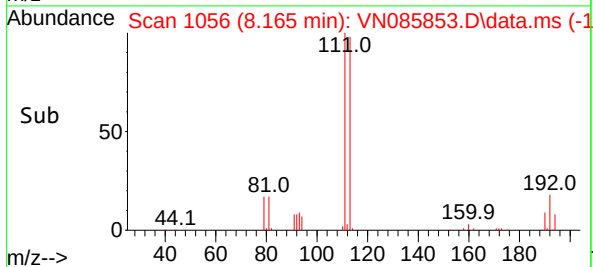
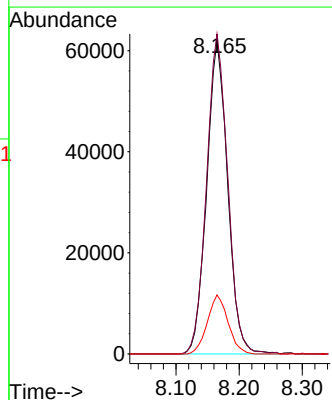
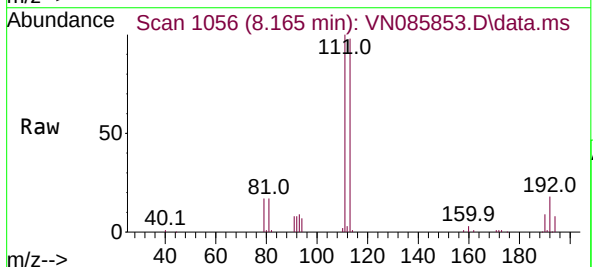
Tgt Ion:113 Resp: 142826

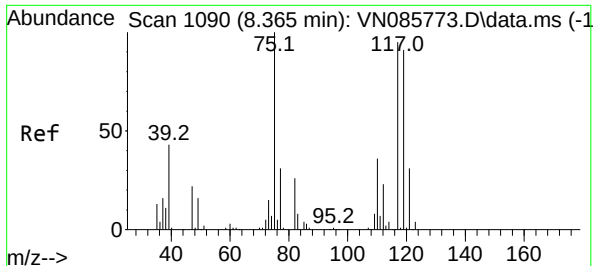
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 18.6 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085853.D

Acq: 25 Feb 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

FB02222025

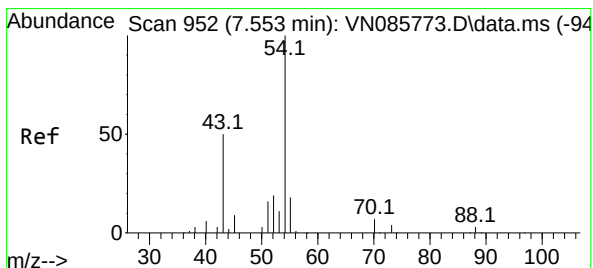
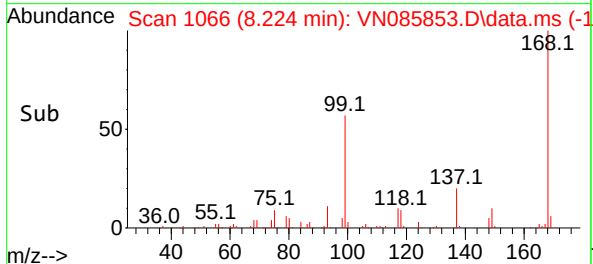
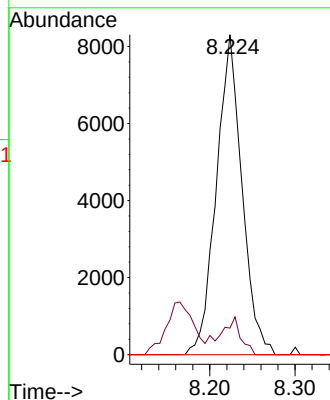
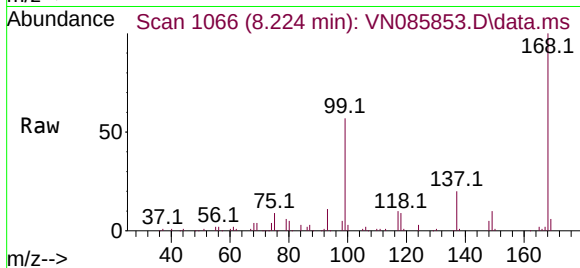
Tgt Ion: 75 Resp: 17380

Ion Ratio Lower Upper

75 100

110 9.5 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.683 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN085853.D

Acq: 25 Feb 2025 13:36

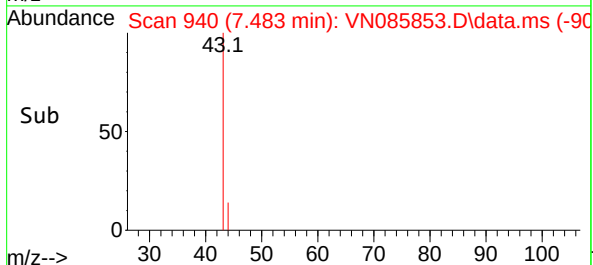
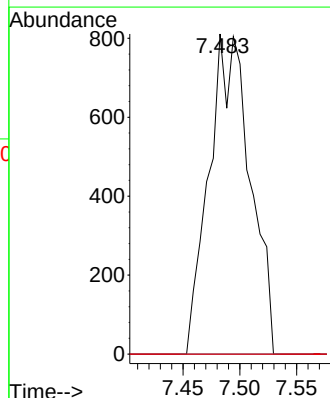
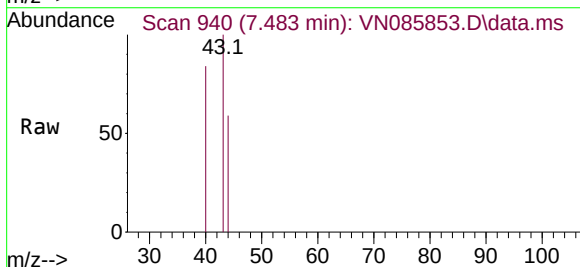
Tgt Ion: 43 Resp: 2046

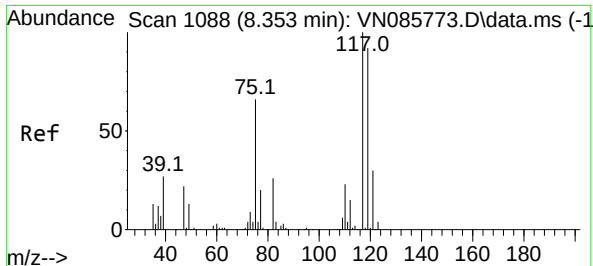
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

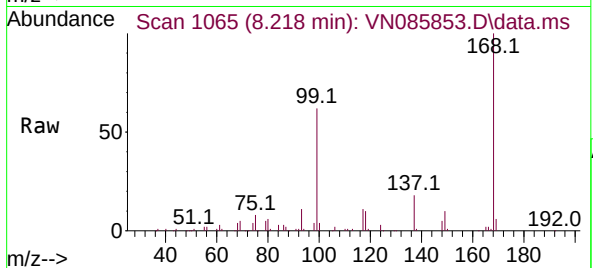
70 0.0 9.5 14.3#



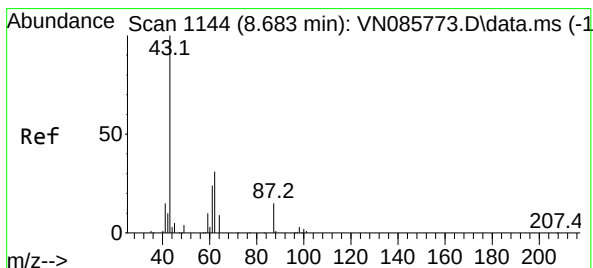
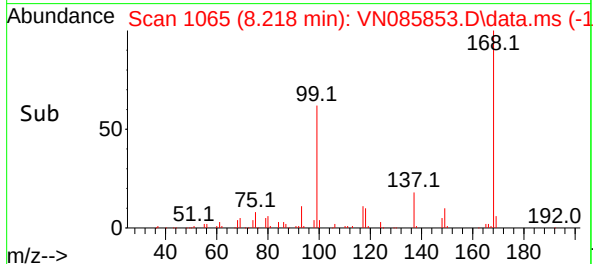
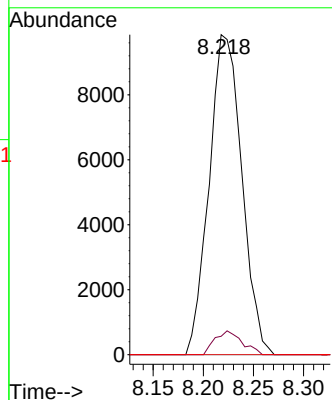


#38
Carbon Tetrachloride
Concen: 5.166 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

Instrument :
MSVOA_N
ClientSampleId :
FB02222025

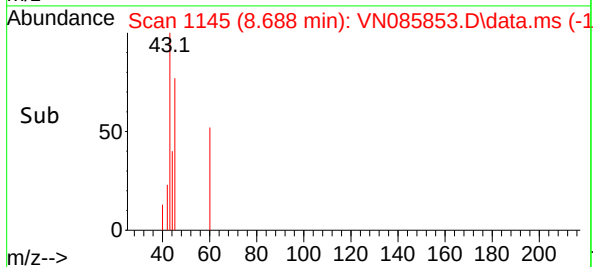
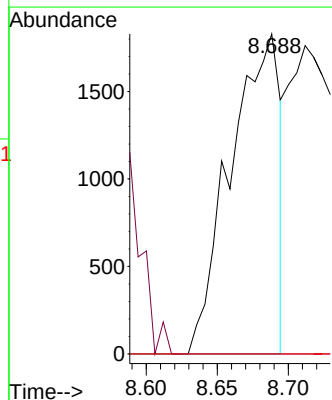
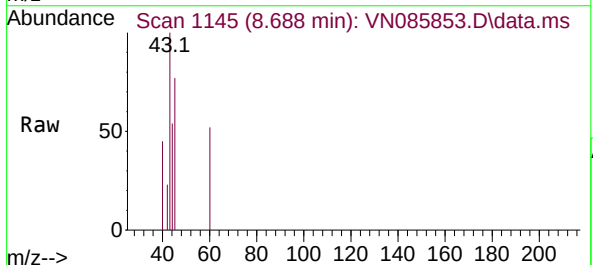


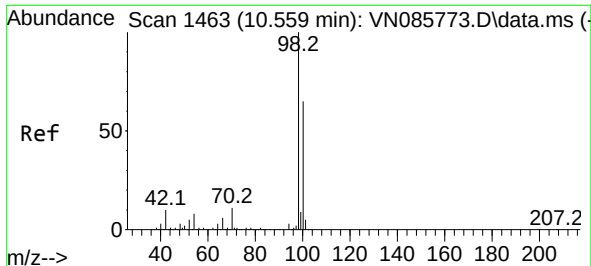
Tgt Ion:117 Resp: 22351
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 0.298 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

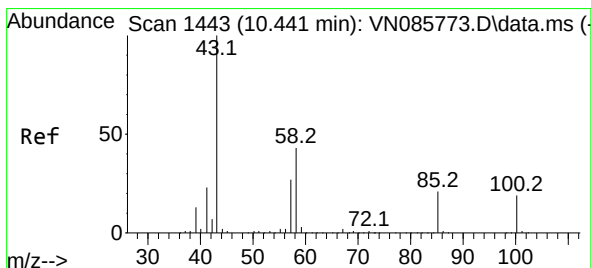
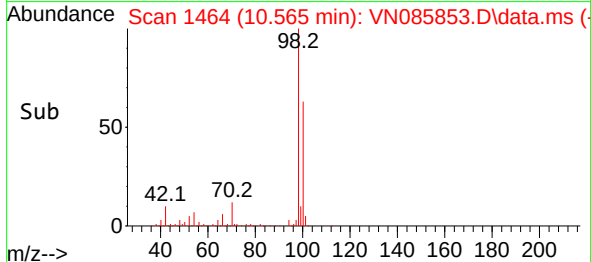
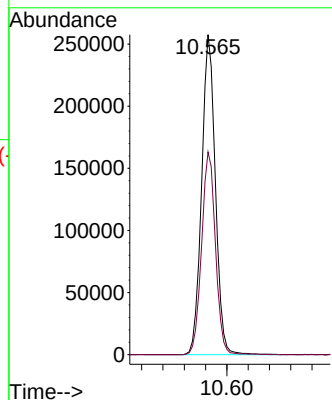
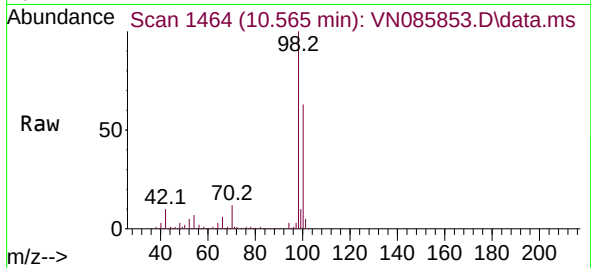




#50
Toluene-d8
Concen: 49.112 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

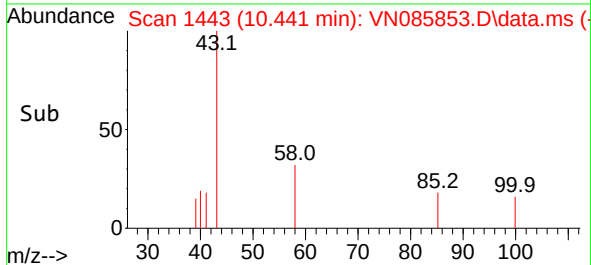
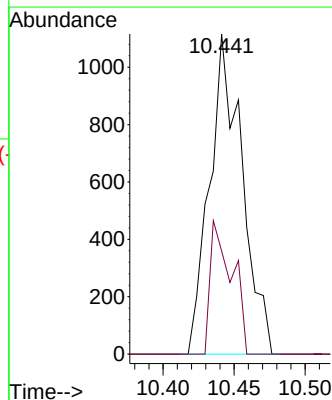
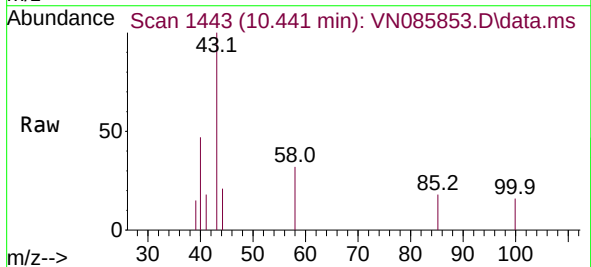
Instrument :
MSVOA_N
ClientSampleId :
FB02222025

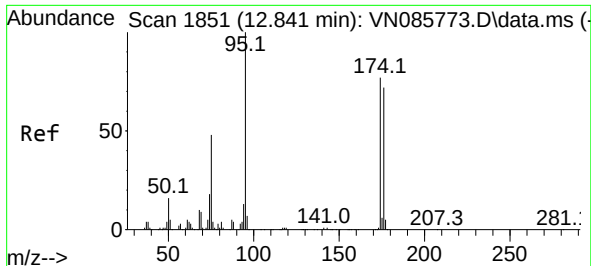
Tgt Ion: 98 Resp: 459744
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.612 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
58 27.9 34.6 52.0#

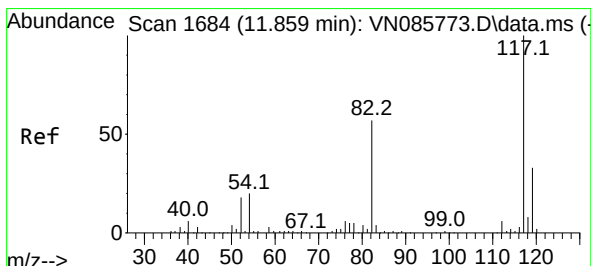
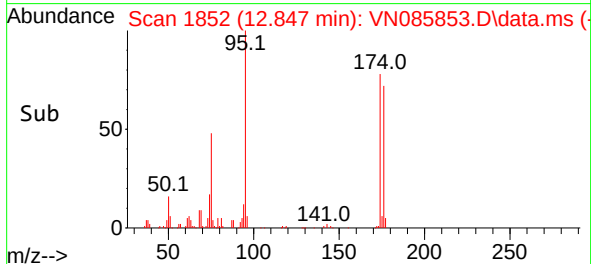
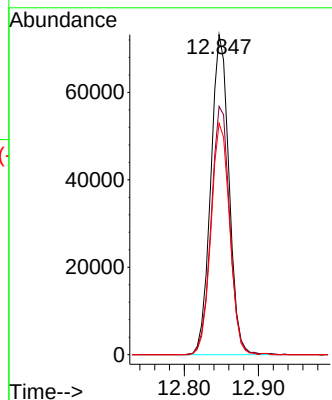
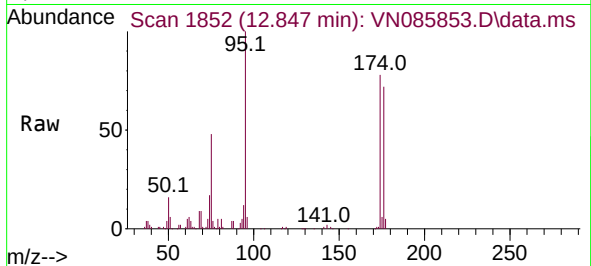




#62
4-Bromofluorobenzene
Concen: 40.526 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

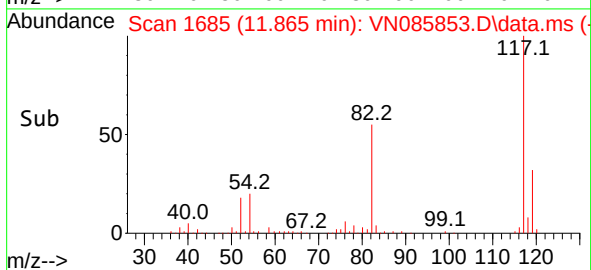
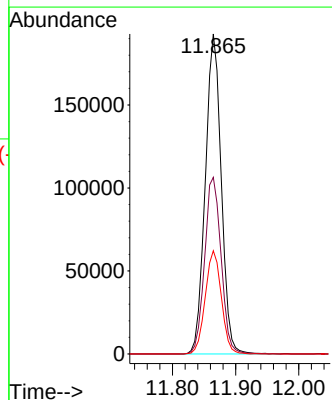
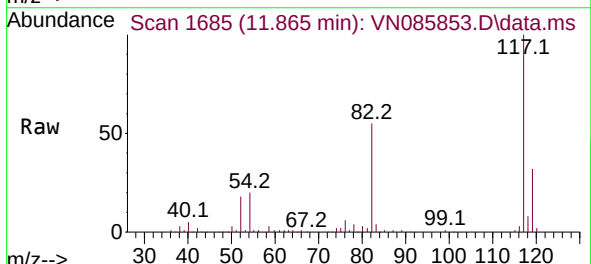
Instrument :
MSVOA_N
ClientSampleId :
FB02222025

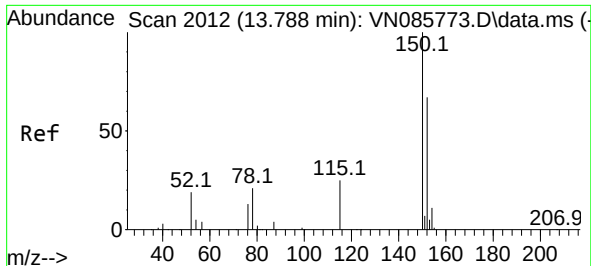
Tgt Ion: 95 Resp: 124996
Ion Ratio Lower Upper
95 100
174 79.2 0.0 152.4
176 73.9 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

Tgt Ion: 117 Resp: 337792
Ion Ratio Lower Upper
117 100
82 55.2 45.7 68.5
119 32.2 26.2 39.2

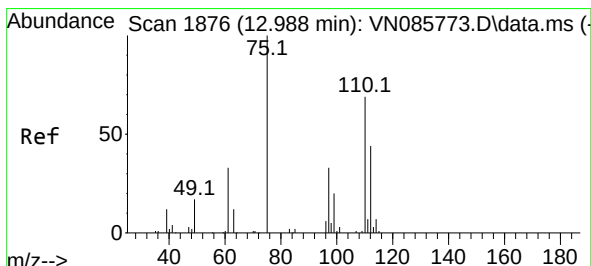
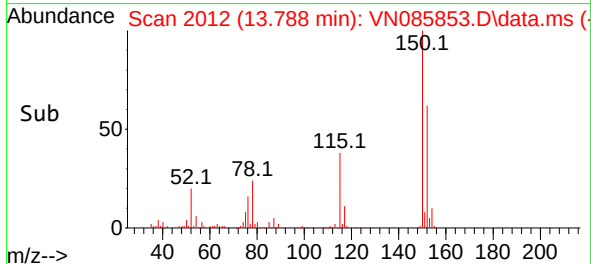
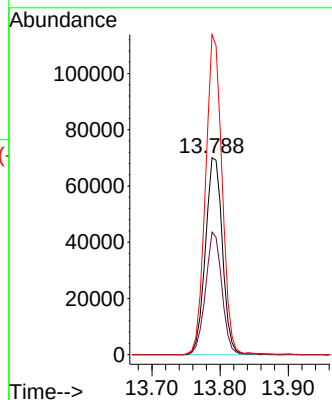
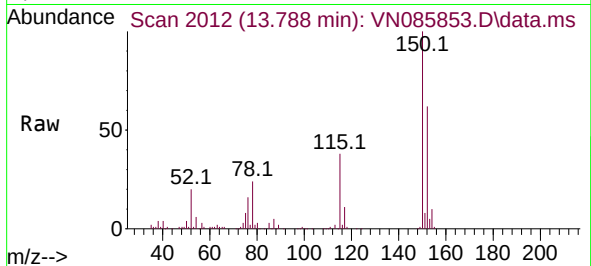




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085853.D
 Acq: 25 Feb 2025 13:36

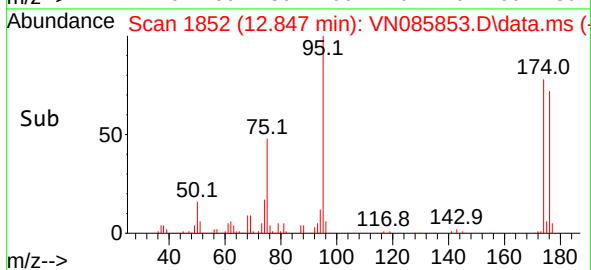
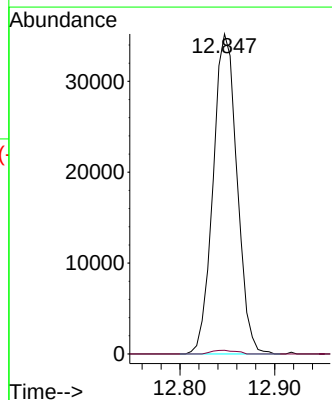
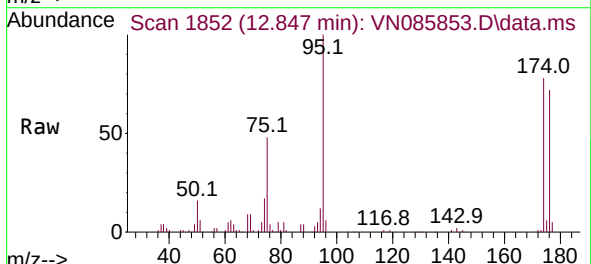
Instrument :
 MSVOA_N
 ClientSampleId :
 FB02222025

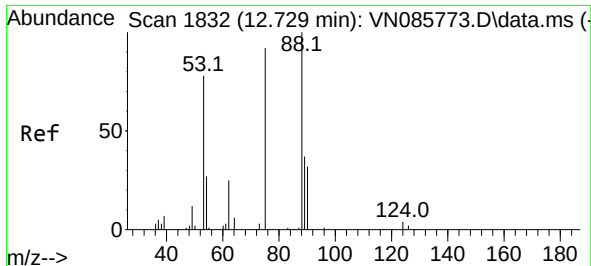
Tgt Ion:152 Resp: 121445
 Ion Ratio Lower Upper
 152 100
 115 60.0 30.4 91.3
 150 158.3 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 22.908 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085853.D
 Acq: 25 Feb 2025 13:36

Tgt Ion: 75 Resp: 61798
 Ion Ratio Lower Upper
 75 100
 77 1.2 100.0 300.0#

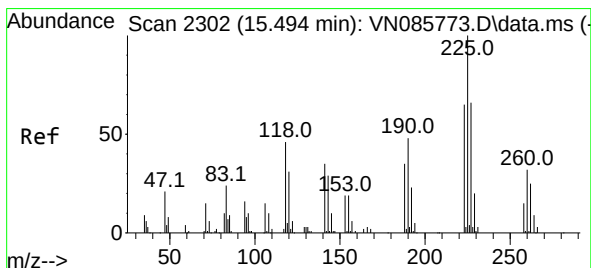
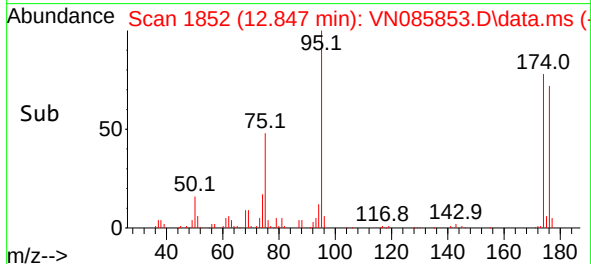
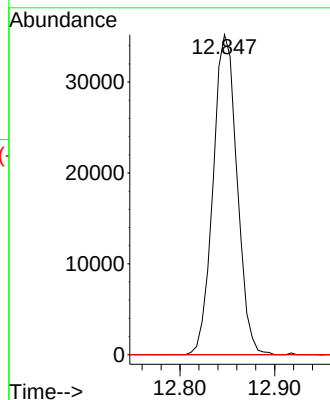
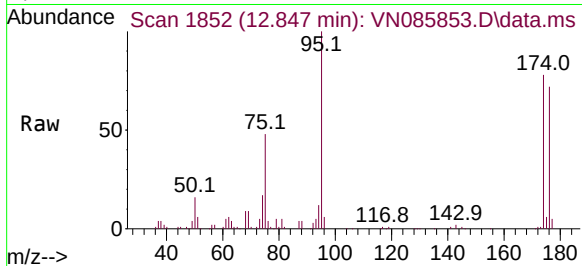




#81
trans-1,4-Dichloro-2-butene
Concen: 66.839 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

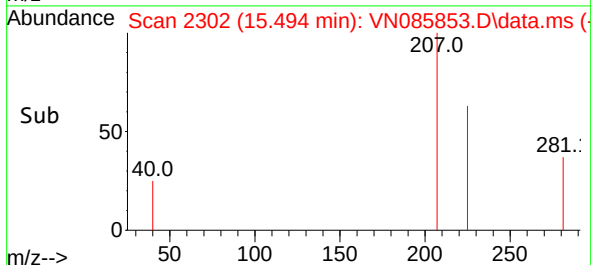
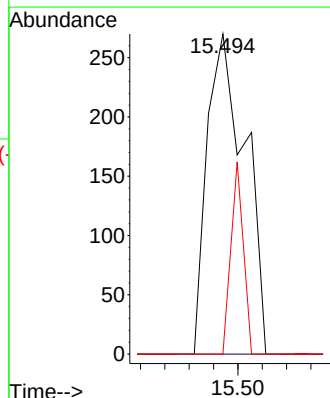
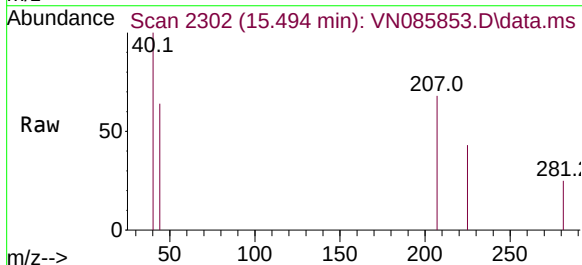
Instrument :
MSVOA_N
ClientSampleId :
FB02222025

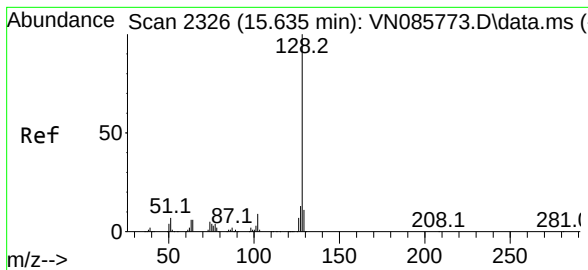
Tgt Ion: 75 Resp: 61798
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#94
Hexachlorobutadiene
Concen: 0.249 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085853.D
Acq: 25 Feb 2025 13:36

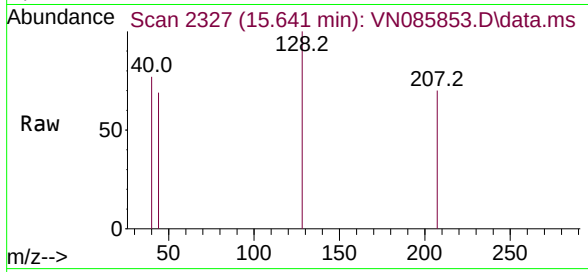
Tgt Ion: 225 Resp: 292
Ion Ratio Lower Upper
225 100
223 0.0 31.9 95.5#
227 19.5 32.2 96.6#





#95
 Naphthalene
 Concen: 0.286 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN085853.D
 Acq: 25 Feb 2025 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02222025



Tgt Ion:	128	Resp:	1515
Ion	Ratio	Lower	Upper
128	100		
127	5.0	10.2	15.2#
129	0.0	8.7	13.1#

